

Object Oriented Programming Project

Online Airline Reservation System



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Introduction:

The Online Airline Reservation System is the application that handles the flight operations in airline reservation systems. In our project, we are trying to show you the basic functionalities of the airline reservation system. To develop the basic operations like flight reservation, handling ticket and passengers details through the system.

Objective:

The objective of the project is to design a Online Airline Reservation System application which allows the users to book and search flights in the system. Our motivation for the project came from my enthusiasm and strong urge to learn JAVA and object-oriented programming concepts which is one of the fastest growing technologies in today's world. The Online Airline Reservation System project mainly consists of the users who provide information to book different flights by the system All the data needed for the application is stored in the sub classes. The report contains the details of all the tasks carried out during the entire software development life cycle of the Online Airline Reservation System Project. This document shows all the details of the project starting from the project design to testing and examining.

Project Overview:

All the task covered in the system are as follows:

[illegible]

1. Reserve Seat
2. My Tickets
3. Flight Schedule
4. Passenger Details
5. Exit

1. Reserve Seat

It shows the user all the flight list and asks him if he wants to reserve tickets for any flight. He needs to select the serial number of the flight for further

Your Ticket num is: 12303

2. My Tickets

The program asks the user's ticket number and then show him all the details of the ticket including personal and flight details

Output:

```
-----Menu-----
1. Reserve Seats
2. My Tickets
3. Flight Schedule
4. Display Passengers
5. Exit

Your choice: 2

          //////////// TICKET DETAILS ////////////
Enter your ticket no: 12301
Flight ID      Ticket No      Passenger Name  Passport No    Contact No     Address
PA 210         12301         Sunbla         983457345     348469354     Gulshan

-----Menu-----
1. Reserve Seats
2. My Tickets
3. Flight Schedule
4. Display Passengers
5. Exit

Your choice: 2

          //////////// TICKET DETAILS ////////////
Enter your ticket no: 12302
Flight ID      Ticket No      Passenger Name  Passport No    Contact No     Address
PA 210         12302         Laiba         345645764     456456745     Defence
```

3. Flight Schedule

The user can see the flight details here

Output:

```
-----Menu-----
1. Reserve Seats
2. My Tickets
3. Flight Schedule
4. Display Passengers
5. Exit

Your choice: 3
2021-01-10
-----TODAY'S FLIGHTS SCHEDULE-----

S.no      Flight NO      From Locationn      TO      Time      Fare
1          PK 181        Karachi             Islamabad  12:15      250.0
2          PK 277        Karachi             Gujranwala  13:30      200.0
3          PK 233        Karachi             Lahore      14:20      280.0
4          EK 615        Karachi             Faisalabad  15:45      210.0
5          PA 210        Karachi             Rawalpindi  17:20      300.0
6          PK 289        Karachi             Sialkot    19:30      200.0
```

4. Passenger Details

The user can see the total tickets, total passengers personal details and flight details that he booked

Output:

[illegible]

5. Exit

After the User Complete all tasks are correctly performed then the user closes the account.

Output:

```
-----Menu-----
1. Reserve Seats
2. My Tickets
3. Flight Schedule
4. Display Passengers
5. Exit

Your choice: 5
You decided to Exit..
```

Project Classes

1. onlineReservation
 - a. Greeting()
 - b. Menu()
 - c. Abstract book_Tickets()
 - d. Abstract find_Ticket_Detail()
 - e. Abstract display_Passenger()
2. reserveSeat
 - a. book_Tickets()
 - b. find_Tickets_Details()
 - c. display_Passenger()
3. Flight
 - a. flight_List()

Conclusion

This program is able to keep track of the basic operations performed in the Online Airline Reservation System. User can check the details, select his desired flight through serial number and book as many tickets he wants to book. He can check the tickets details later in the system and can also check the passenger details he added before.